Index of Claims

Application/Control No.

10/591,696 Examiner

Camie S. Thompson

Applicant(s)/Patent under Reexamination

TAKEUCHI ET AL.

Art Unit

1794

Rejected \_ (Through numeral)
Cancelled

+ Restricted

N Non-Elected

I Interference

A Appeal
O Objected

|            |          | 4            | 7        |                |           |         | _       |           | L          |          |          |          |          |          | —               | -        | —            | L        |                |                    |          |              |   |            |          |                           | _        |           |          |  |             |          |          |
|------------|----------|--------------|----------|----------------|-----------|---------|---------|-----------|------------|----------|----------|----------|----------|----------|-----------------|----------|--------------|----------|----------------|--------------------|----------|--------------|---|------------|----------|---------------------------|----------|-----------|----------|--|-------------|----------|----------|
| Claim Date |          |              |          |                |           |         |         | Cis       | Claim Date |          |          |          |          |          |                 |          |              | aim      | Date           |                    |          |              |   |            |          |                           | $\neg$   |           |          |  |             |          |          |
| - 016      |          | -            | K)       | <u> </u>       | _         | T       | Ť       | Т         |            | $\neg$   | -        | Cir      |          |          |                 | _        | <del>-</del> | ale      | _              | _                  |          | -            | 1   | 11(1)      |          |                           | _        | ᠆ᠮ        | ale      | ;<br>  | <del></del> | $\neg$   | $\dashv$ |
| Final      | Original | \            | 18       | 1              |           |         | 8       |           |            |          | •        | Final    | Óriginal |          |                 |          |              |          |                |                    |          |              | Final   | Original   |          |                           |          |           |          |  |             | 1        |          |
| <u></u>    |          | ļ.,          | /        | 1_             | ╀-        | ╀       | +       | 4         |            | _        |          |          |          | L        | $\square$       |          | _            | _        | _              | 4                  | 4        | _            | <u> </u>                                      |            |          | -                         |          |           | _        |  | 4           | 4        | ᅬ        |
| <u> </u>   | 1        |              | 1        | 1_             | 1_        | 4       | - -     | +         |            |          | _        | 1        | 51       | _        |                 | _        |              | -        | -              | 4                  | 4        | 4            | <u> </u>                                      | 101        |          | _                         | $\dashv$ | $\dashv$  | _        | _  | 4           | $\dashv$ | _        |
| <u> </u>   | 2        | Ļ            | 1/_      | ↓_             | ╀         | +-      | +       | +         |            |          |          | -        | 52       | _        | _               | _        |              | -        | -              | 4                  | 4        | _            | ļ   | 102        |          | _                         |          | _         | _        | _  | -           | `        | 4        |
| <u> </u>   | 3        | 1            | ₩        | ┼              | ╀         | ╀       | +       | +         | -          |          |          | -        | 53       | -        | $\dashv$        | -        |              | $\dashv$ | $\dashv$       | +                  | -        | <b>-</b>   . |   | 103        |          |                           |          |           |          |  | $\dashv$    | $\dashv$ | $\dashv$ |
|            | 5        | =            | У.       | ╁              | ╁╌        | ╫       | ╁       | +         | $\dashv$   |          | -        |          | 54<br>55 | $\vdash$ |                 | -        |              | $\dashv$ | $\dashv$       | -                  | -        | -            | 7:  | 104<br>105 | _        |                           |          | $\dashv$  | $\dashv$ | -  | -           | -        | $\dashv$ |
| -          | 6        | -            | <u>.</u> | ┿              | +         | ╫       | +-      | +         | -          | $\dashv$ | $\dashv$ |          | 56       | H        | -               | -        |              | $\dashv$ | $\dashv$       | -+                 | +        | -            | `   | 105        | _        | $\vdash$                  |          | $\dashv$  | $\dashv$ | $\dashv$                                     | -+          | $\dashv$ | $\dashv$ |
| -          | 7        | v            | .∠       | ╁              | ╁         | ╁       | ╁       | ╬         |            | $\dashv$ |          | 1-       | 57       | H        | $\dashv$        | -        |              | $\dashv$ | $\dashv$       | +                  | +        | $\dashv$     | -   | 107        |          | -                         | -        | $\dashv$  | $\dashv$ | ᅱ  | -           | $\dashv$ | $\dashv$ |
| $\vdash$   | 8        |              |          | +              | ╁╌        | ╂       | - -     | +         | -          |          | -        | -        | 58       |          |                 | -        | -            | -        | +              | $\dashv$           | $\dashv$ | $\dashv$     | -   | 108        | -        | -                         |          |           |          | -  | -           | -        | $\dashv$ |
| $\vdash$   | 9        | -            | 1        | $\vdash$       | ╁         | ╁       | +       | $^{+}$    | 7          | ┪        | $\dashv$ | <b>—</b> | 59       |          |                 |          |              |          | $\dashv$       | +                  | $\dashv$ | $\dashv$     |   | 109        | -        | -                         | $\vdash$ | -         | $\neg$   | $\dashv$                                     | _           | $\dashv$ | $\dashv$ |
| $\vdash$   | 10       | ١.           | 1        | 1              | ╁         | ╈       | +       | $\top$    | 寸          | ヿ        | $\neg$   | <b>—</b> | 60       |          |                 |          |              | 一        | $\dashv$       | 十                  | 十        | $\dashv$     |   | 110        | _        | _                         |          |           | $\dashv$ | $\dashv$                                     |             | $\dashv$ | $\dashv$ |
|            | 11       | -            | 忕        | †              | T         | T       | $\top$  | ✝         | 7          | $\neg$   | _        |          | 61       |          |                 | $\dashv$ |              | 一        | _              | ┪                  | _        | $\neg$       | <u> </u>                                      | 111        |          |                           |          |           |          |  |             | ヿ        | $\neg$   |
|            | 12       | v            | 1        | T              | T         | T       | $\top$  | 寸         | $\dashv$   |          | $\neg$   |          | 62       | П        |                 | $\neg$   |              | $\neg$   | $\neg$         | 7                  | $\neg$   |              |   | 112        |          |                           |          | $\neg$    |          |  | $\neg$      |          | $\neg$   |
|            | 13       | L            | K        | Ι              | T         | 1       |         | T         |            |          |          |          | 63       |          |                 |          |              |          |                |                    |          |              |   | 113        |          |                           |          |           |          |  |             |          |          |
|            | 14       | V            | 7.       |                |           |         | T       |           |            |          |          |          | 64       |          |                 |          |              |          |                |                    |          |              |   | 114        |          |                           |          |           |          | <u>,                                    </u> |             |          |          |
|            | 15       |              | 1        |                |           | I       | $\perp$ | $\prod$   |            |          |          |          | 65       |          |                 |          |              |          |                | $\Box$             |          |              |   | 115        |          |                           |          |           | $\Box$   |  | $\Box$      | $\Box$   |          |
|            | 16       | Ù            |          |                |           | ┸       | ┸       | $\perp$   | $\perp$    |          |          |          | 66       |          |                 |          |              | _        |                | _                  |          | _            |   | 116        | L        |                           |          |           |          |  | _           | $\Box$   |          |
|            | 17       | _            | _        | 上              | 上         |         |         | 1         | _          |          |          |          | 67       |          |                 | _        |              | _        | 4              | _                  | _        | _            | <u>  -                                   </u> | 117        |          | _                         |          |           | _        |  | _           | ╧        | $\Box$   |
|            | 18       | 乚            | ┖        | 上              | 1         | _       | $\perp$ | 1         | _          |          | _        |          | 68       |          |                 |          |              | _        | _              | $\dashv$           | _        | _            |   | 118        |          |                           |          | ·         |          | _  |             | _        | Щ        |
|            | 19       | 匚            | 1        | L              | 1         | ┸       | $\perp$ | 4         | _          |          | _        |          | 69       |          |                 |          | _            | _        | _              | _                  | _        | _            | <u> </u>                                      | 119        | _        |                           |          |           | _        |  | _           | 4        | ᆜ        |
| ļ          | 20       | <u> </u>     | ↓_       | ╄              | 1         | ╀       |         | 4         |            |          |          |          | 70       |          | $\square$       | $\dashv$ | _            | _        |                | $\dashv$           | $\dashv$ |              | <u> </u>                                      | 120        |          |                           |          |           | _        |  |             | +        | $\dashv$ |
| <u> </u>   | 21       | ┡            | ╄        | ╄              | 1-        | - -     |         | 4         | _          |          | _        |          | 71       |          |                 |          |              | _        | -              | <del>-</del> - -   | -        |              |   | 121        | <u> </u> |                           | _        |           |          |  |             |          | $\dashv$ |
|            | 22       | ├-           | ╀        | ╄              | ╀         | +       | +       | 4         |            |          |          |          | 72       | H        | $\vdash$        | -1       | $\dashv$     | -        | -              | -                  | +        | $\dashv$     |   | 122<br>123 | _        |                           | $\vdash$ | _         | -        |  | $\dashv$    |          | $\dashv$ |
| _          | 23       | -            | ╀        | +              | ╁         | +-      | +       | +         |            | _        | $\dashv$ | -        | 73<br>74 | H        | Н               | $\dashv$ | $\dashv$     |          | +              | $\dashv$           | $\dashv$ | $\dashv$     | -   | 123        | _        |                           |          | -         |          |  | $\dashv$    | $\dashv$ | $\dashv$ |
|            | 25       | ┈            | -        | +              | ╁         | +       | +       | +         | $\dashv$   |          | $\dashv$ | -        | 75       | -        |                 | ┰        |              | ᅱ        | +              | $\dashv$           | $\dashv$ | $\dashv$     | <u> </u>                                      | 125        | $\vdash$ |                           | $\vdash$ |           | $\vdash$ |  | $\dashv$    | $\dashv$ | $\dashv$ |
| $\vdash$   | 26       | ╁            | ╁        | +              | ╁         | ╁       | +       | +         | ┪          | -        | $\dashv$ | -        | 76       | H        | $\vdash$        | $\dashv$ | -            |          | -              | $\dashv$           | +        | $\dashv$     |   | 126        | -        |                           |          |           | - 12     |  | -           | -        |          |
| $\vdash$   | 27       | ╁╴           | +-       | ╁              | ╁         | ╁       | +       | +         | 1          | _        | $\dashv$ | -        | 77       | -        |                 | $\dashv$ | ᅦ            | -        | $\dashv$       | $\dashv$           | $\dashv$ | $\dashv$     | <b>—</b>                                      | 127        | $\vdash$ | _                         | $\vdash$ |           |          |  | ┪           | +        | $\dashv$ |
| -          | 28       | ┢            | T        | t              | T         | $^{+}$  | $\top$  | +         | 7          |          | $\neg$   |          | 78       |          | Н               |          | $\neg$       | 一        | T              | $\dashv$           | $\dashv$ | _            | _   | 128        | Н        |                           |          |           |          |  |             | _        | $\dashv$ |
|            | 29       | 一            | $\top$   | 1              | 1         | T       | $\top$  | 7         | $\neg$     |          | $\neg$   |          | 79       | Г        |                 | _        |              |          | 7              | $\neg$             |          |              |   | 129        |          |                           |          |           |          |  |             | $\neg$   |          |
|            | 30       | 1            | T        |                | $\top$    | Ť       | $\top$  | 1         |            |          |          |          | 80       | Ι        |                 |          |              |          |                |                    |          |              |   | 130        |          |                           |          |           |          |  |             | $\Box$   |          |
|            | 31       |              |          |                |           |         |         |           |            |          |          |          | 81       |          |                 |          |              |          |                |                    |          | $\square$ .  |   | 131        |          |                           |          |           |          |  |             |          |          |
|            | 32       | _            |          |                |           |         |         |           |            |          |          |          | 82       | _        |                 |          |              |          |                |                    |          |              |   | 132        |          |                           |          |           |          |  |             |          |          |
|            | 33       | _            | <u> </u> | _              | ┸         | $\perp$ | ┸       | 4         | _          |          | _        |          | 83       | <u> </u> |                 |          |              | _        | _              | _                  | _        | _            | <u></u>                                       | 133        |          | _                         |          | _ :       |          | _  | _           | _        |          |
|            | 34       | _            | ╀        | <del> </del> _ | +         | $\bot$  | 4       | 4         | 4          | _        |          | _        | 84       | $\vdash$ | $\square$       | _        | _            | _        | _              | $\dashv$           | $\dashv$ | _            | <u></u>                                       | 134        | $\vdash$ | $ldsymbol{ldsymbol{eta}}$ | $\vdash$ | Ш         | _        | _  | _           | 늬        |          |
| <u></u>    | 35       | -            | ╁        | 1              | +         | $\bot$  | +       | 4         | _          | _        |          | _        | 85       | H        | $\square$       |          | _            | _        |                | -                  | $\dashv$ | _            | -   | 135        | _        | <u> </u>                  | <u> </u> | $\square$ | _        |  |             |          | $\dashv$ |
| ļ          | 36       | <del> </del> | $\vdash$ |                | +         | +       | 4       | 4         | 4          |          |          | <u> </u> | 86       | <u> </u> |                 | _        | _            |          | -              | -                  | $\dashv$ | -            | <u> </u>                                      | 136        |          | <u> </u>                  |          | Ш         | _        |  | _           |          |          |
|            | 37       | ⊢            | $\vdash$ | ┾              | +         | +       | +       | +         | $\dashv$   | $\dashv$ | $\dashv$ | -        | 87<br>88 | H        | $\vdash \vdash$ | $\dashv$ | _            | $\dashv$ | $\dashv$       | $\dashv$           | -        | -            |   | 137<br>138 | $\vdash$ | $\vdash$                  | -        | $\vdash$  | $\dashv$ | -  | $\dashv$    | $\dashv$ | $\dashv$ |
|            | 38       | ├-           | ╁        | ╁              | +         | +       | +       | +         | $\dashv$   |          | $\dashv$ | -        | 89       | $\vdash$ | $\vdash \vdash$ | $\dashv$ | -            |          | $\dashv$       | $\dashv$           | $\dashv$ | $\dashv$     | -   | 139        | $\vdash$ | -                         | $\vdash$ | $\vdash$  |          | ٦,   |             | $\dashv$ | $\dashv$ |
| -          | 40       | <del> </del> | +-       | +              | +         | +       | +       | +         | -          |          |          | -        | 90       |          | $\vdash$        |          | -            |          | $\dashv$       | -+                 | $\dashv$ | $\dashv$     |   | 140        | $\vdash$ |                           | $\vdash$ | $\vdash$  | $\dashv$ | -  | -           | $\dashv$ | $\dashv$ |
| $\vdash$   | 41       | +-           | $\vdash$ | $\dagger$      | $\dagger$ | +       | +       | +         | -          |          | $\dashv$ |          | 91       | $\vdash$ | $\vdash \vdash$ | ᅱ        | ┥            | $\dashv$ | $\dashv$       | $\dashv$           | $\dashv$ | $\dashv$     | -   | 141        | $\vdash$ | -                         | Н        | Н         | $\dashv$ | -  | $\dashv$    | $\dashv$ | $\dashv$ |
| <b> </b>   | 42       | ╁            | $\vdash$ | T              | +         | +       | +       | +         | $\dashv$   |          | $\dashv$ | -        | 92       | $\vdash$ |                 | -        | ᅥ            | -        | $\neg \dagger$ | _                  | $\dashv$ | $\dashv$     | $\vdash$                                      | 142        | $\vdash$ |                           | $\vdash$ | Н         |          | -  | $\dashv$    | -        | $\dashv$ |
| <b> </b>   | 43       | T            | t        | 1              | T         | $\top$  | 十       | $\dagger$ | $\dashv$   | $\neg$   | $\neg$   |          | 93       |          | H               |          |              |          | $\dashv$       | $\dashv$           | 十        | $\neg$       |   | 143        | $\Box$   |                           | М        |           |          | $\dashv$                                     | $\dashv$    | $\dashv$ | $\neg$   |
|            | 44       | T            | T        | $\top$         | +         | †       | $\top$  | 1         | 1          |          |          |          | 94       |          |                 | _        |              | $\dashv$ | _              | $\dashv$           | $\dashv$ | ┪            |   | 144        |          |                           |          |           |          | $\dashv$                                     | ┪           |          | $\dashv$ |
|            | 45       | Τ            | T        |                | $\top$    | T       | 1       |           |            |          |          |          | 95       |          |                 |          |              |          |                |                    | $\Box$   |              |   | 145        |          |                           |          |           |          |  | 寸           |          |          |
|            | 46       |              | $1^{-}$  | Ι              | Ι         | I       | 丁       | _         | ╛          |          |          |          | 96       |          |                 |          |              |          | _†             |                    | 丁        |              |   | 146        |          |                           |          |           |          |  |             |          |          |
|            | 47       |              |          |                | Ι         | Ι       | I       | Ι         |            |          |          |          | 97       |          |                 |          |              |          |                |                    |          |              |   | 147        |          |                           |          |           |          |  |             |          |          |
|            | 48       |              |          |                | Γ         | I       | $\perp$ | I         |            |          |          |          | 98       |          |                 |          | $\Box$       |          | $\Box$         |                    |          |              |   | 148        |          |                           |          |           |          |  | $\Box$      | $\Box$   |          |
|            | 49       |              |          |                |           |         | $\perp$ | Ţ         | $\Box$     |          |          |          | 99       |          |                 | $\Box$   |              |          | $\Box$         | $oldsymbol{\perp}$ | $\Box$   |              |   | 149        |          |                           |          |           |          | $\Box$                                       |             |          |          |
|            | 50       | L            |          | L              | 1_        | L       | $\perp$ |           |            |          |          |          | 100      |          | Ш               | $\Box$   | 1            |          | $\perp$        |                    |          | ┙            |   | 150        |          |                           | لـــا    |           |          | $_{\perp}$                                   |             | 丄        | Ш        |
|            | -        |              |          |                |           |         |         |           |            |          |          |          |          |          |                 |          |              |          |                |                    |          |              |   |            |          |                           |          |           |          |  |             |          |          |